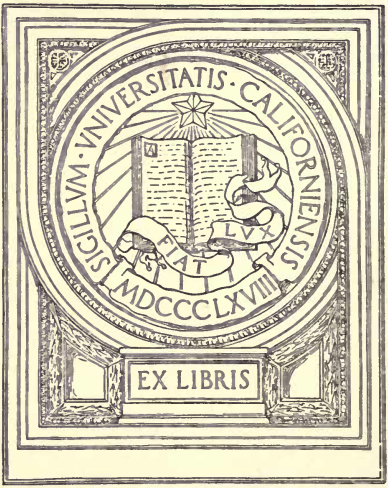
BIOMED
QK
144
H389c
1887

Catalogue of the Known Plants of Oregon, Washington, and Idaho.

by

Thomas Howell

UNIVERSITY OF CALIFORNIA
AT LOS ANGELES



GIFT OF
William McPherson

A

CATALOGUE

OF THE KNOWN PLANTS,

(PHÆNOGAMIA AND PTERIDOPHYTA)

OF

OREGON, WASHINGTON, and IDAHO;

BY

THOMAS HOWELL,

ARTHUR, OREGON.

PRICE 25 CENTS.

1887.

A

CATALOGUE

OF THE KNOWN PLANTS,

(PHÆNOGAMIA AND PTERIDOPHYTA)

OF

OREGON, WASHINGTON, and IDAHO;

BY

THOMAS HOWELL,

ARTHUR, OREGON.

PRICE 25 CENTS.

1887.

UNIV. OF CALIFORNIA
AT LOS ANGELES
LIBRARY

QK
144
H83c

BIOMED
QK
144.
H839c
1887

PREFACE.

As that portion of the U. S. teritory laying west of Wyoming and north of California is without a local Flora, a mere list of the species known to grow within its borders will be something towards the makeing of one, and be of some use until such time as something better can be compiled. With this view thefollowing Catlaogue is isued.

In makeing up the following list it has been the aim to put in only those species that I know to have been reported as growing in the region West of Wyoming between the Northern line of California and British Columbia: but it is probable that most of the plants of British Columbia, and many Alaskan species will be found to grow in Northern Washington; and many California and Nevada species will yet be found to grow within our Southern border.

In 1881 I published, (as an advertisement), a list of all the species that I knew had been reported from the teritory embraced in the present Catalague. At that time I could only find 1844 species and varieteis. The present Catalogue contains 2152 species, and 227 varieties, 2379 in all; an increas of 535 species and varieties, or about 30 per cent in six years.

No doubt the next six years will show a grater rate of increas, for the Botany of this region is but imperfectly known.

THOMAS HOWELL.

Arthur, Oregon:
February 15th, 1887.

467673

PHÆNOGAMIA.

RANUNCULACEÆ.

Clematis Linn.
- ligusticifolia Nutt.
- Douglasii Hook.
- verticillaris DC.

Anemone Linn.
- occidentalis Watson.
- narcissiflora L.
- Drummondii Watson.
- nemorosa L.
- deltoidea Hook.

Trautvetteria Fischer & Meyer.
- grandis Nutt.

Thalictrum Tourn.
- polycarpum Watson.
- occidentale Gray.

Ranunculus Linn.
- aquatilis L.
  - var trichophyllus Gray.
  - var. stagnatilis DC.
- Lobbii Hiern.
- cymbalaria Pursh.
- multifidus Pursh.
- Flammula var. intermedius Hook.
  - var. reptans Meyer.
- alismæfolius Geyer.
  - var. alismellus Gray.
- glaberrimus Hook.
- triternatus Gray.
- Suksdorfii Gray.
- Eschscholtzii Schlecht.
- affinis R. Br.
  - var. validus Gray.
- sceleratus L.
- orthorhynchus Hook.
  - var. platyphyllus Gray.
- tenellus Nutt.
- occidentalis Nutt.
  - var. robustus Gray.
  - var. Rattani Gray.
  - var. Eisen Gray.
  - var. Lyalli Gray.
- Pennsylvanicus L.f.
- hispidus Michx.
  - var. Oreganus Gray.
- macranthus Scheele.
- muricatus L.

Myosurus Dill.
- minimus L.
- apetalus Gay.
  - var. lepturus Gray.
- sessilis Watson.

Caltha Linn.
- biflora DC.
- leptosepala DC.

Isopyrum Linn.
- Hallii Gray.
- stipitatum Gray.

Cimicifuga Linn.
- elata Nutt.
- laciniata Watson.

Coptis Salisb.
- asplenifolia Salisb.
- occidentalis T. & G.

Aquilegia Tourn.
- formosa Fischer.
- flavescens Watson.

Delphinium Tourn.
- Menziesii DC.
- bicolor Nutt.
- depauperatum Nutt.
- simplex Dougl.
- variegatum T. & G.
- decorum Fisch. & Mey.
  - var. Nevadense Watson.
- trolliifolium Gray.
- occidentale Watson.
- nudicaule T. & G.

Aconitum Tourn.
- Columbianum Nutt.

Actæa Linn.
- spicata var. arguta Torrey.

Pæonia Linn.
- Brownii Dougl.

BERBERIDACEÆ.

Berberis Linn.
- Aquifolium Pursh.
- repens Lindl.
- nervosa Pursh.

Vancouveria Morr. & Decais.
- hexandra Morr. & Decais.
  - var. aurea Watson.

Achlys DC.
- triphylla DC.

NYMPHÆACEÆ.

Brasenia Schreber.
- peltata Pursh.

Nuphar Smith.
- polysepalum Engelm.
- advena Ait.

SARRACENIACEÆ.

Darlingtonia Torrey.
- Californica Torrey.

PAPAVERACEÆ.

Canbya Parry.
- aurea Watson.

Platystemon Benth.
Californicus Benth.
Platystigma Benth.
lineare Benth.
Oreganum Benth. & Hook.
Eschscholtzia Cham.
Californica Cham.

FUMARIACEÆ.

Dicentra Bork.
Cucullaria DC.
formosa DC.
uniflora Kellogg.
pauciflora Watson.
Corydalis Vent.
Caseana Gray.
aurea var. occidentalis Gray.
Cusickii Watson.
Scouleri Hook.

CRUCIFERÆ.

Cheiranthus Linn.
Menziesii Benth. & Hook.
asper Cham. & Schlecht.
Nasturtium R. Brown.
palustre DC.
obtusum Nutt.
curvisiliqua Nutt.
var. lyratum Watson.
sinuatum Nutt.
officinale R. Br.
Barbarea R. Brown.
vulgaris R. Br.
Arabis Linn.
spathulata Nutt.
longirostris Watson.
perfoliata Lam.
hirsuta Scop.
Drummondii Gray.
Lyalli Watson.
furcata Watson.
subpinnatifida Watson.
Holbœllii Hornem.
canescens Nutt.
arcuata Gray.
Cusickii Watson.
Breweri Watson.
suffrutescens Watson.
platysperma Gray.
Streptanthus Nuttall.
Breweri Gray.
tortuosus Kellogg.
Howellii Watson.
Caulanthus Watson.
pilosus Watson.
Cardamine Linn.
hirsuta L.
var. sylvatica Gray.
Breweri Watson.
Cardamine.
pratensis L.
var. occidentalis Watson.
oligosperma Nutt.
angulata Hook.
cordifolia Gray.
paucisecta Benth.
Dentaria Linn.
tenella Nutt.
Platyspermum Hooker.
scapigerum Hook.
Vesicaria Tourn.
occidentalis Watson.
Physaria Nuttall.
didymocarpa Nutt.
Geyeri Gray.
Oregana Watson.
Draba Linn.
aurea Vahl.
alpina L.
Howellii Watson.
Caroliniana Walt.
nemorosa var. leiocarpa Lindb.
Cochlearia Tourn.
Anglica L.
Braya Sternb. & Hoppe.
Oregonensis Gray.
Sisymbrium Linn.
glaucum Nutt.
linifolium Nutt.
officinale Scop.
incisum Engelm.
var. filipes Gray.
Hartwegianum Fournier.
reflexum Nutt.
Smelowskia C. A. Meyer.
calycina C. A. Meyer.
Fremonti Watson.
Erysimum Linn.
asperum DC.
var. elatum Torrey.
cheiranthoides L.
Stanleya Nuttall.
pinnatifida Nutt.
viridiflora Nutt.
Thelypodium Endl.
sagittatum Endl.
laciniatum Endl.
integrifolium Endl.
Howellii Watson.
Nuttallii Watson.
Brassica Linn.
campestris L.
nigra Koch.
Capsella Mœnch.
Bursa-pastoris Mœnch.
divaricata Walp.
Lepidium Linn.
dictyotum Gray.

Lepidium.
acutidens.
oxycarpum var. strictum Watson.
intermedium Gray.
Virginicum L.
nitidum Nutt.
ruderale L.
Menziesii DC.
Thlaspi Linn.
alpestre L.
Thysanocarpus Hooker.
curvipes Hook.
pusillus Hook.

CAPPARIDACEÆ.

Polanisia Raf.
trachysperma T. & G.
Cleome Linn.
lutea Hook.
integrifolia T. & G.
platycarpa Torrey.

VIOLACEÆ.

Viola Linn.
palmata var. cucullata Gray.
Langsdorffii. Fisch.
palustris L.
blanda Willd.
primulæfolia var. occidentalis Gr.
sarmentosa Dougl.
Nuttallii Pursh.
præmorsa Dougl.
chrysantha Hook.
Sheltoni Torrey.
Hallii Gray.
trinervata Howell.
lobata Benth.
var. integrifolia Watson.
glabella Nutt.
cuneata Watson.
canina var. adunca Gray.
mirabilis L. ?.

POLYGALACEÆ.

Polygala Tourn.
cucullata Benth.
Californica Nutt.

CARYOPHYLLACEÆ.

Saponaria Linn.
Vaccaria L.
Silene Linn.
antirrhina L.
acaulis L.
monantha Watson.
Lyalli Watson.
campanulata Watson.
Gallica L.
Menziesii Hook.
Hookeri Nutt.

Silene.
Californica Durand.
Oregana Watson.
Douglasii Hook.
Scouleri Hook.
multicaulis Nutt.
Spaldingii Watson.
pectinata Watson.
incompta Gray.
Lychnis Tourn.
Drummondii Watson.
Githago L.
Cerastium Linn.
vulgatum L.
viscosum L.
nutans Raf.
arvense L.
pilosum Ledeb.
alpinum L.
Stellaria Linn.
media Sm.
Jamesii Torrey.
umbellata Turcz.
nitens Nutt.
longipes Goldie.
longifolia Muhl.
crispa Cham. & Schlecht.
borealis Bigelow.
var. alpestris Gray.
Arenaria Linn.
congesta Nutt.
capillaris Poir.
pungens Nutt.
aculeata Watson.
Fendleri Gray.
biflora var. obtusa Watson.
verna var. hirta Watson.
Michauxii Hook. f.
Franklinii Dougl.
arctica Stev.
tenella Nutt.
Douglasii T. & G.
Howellii Watson.
Californica Brew.
pusilla Watson.
serpyllifolia L.
lateriflora L.
macrophylla Hook.
peploides var. oblongifolia Wats.
Sagina Linn.
occidentalis Watson.
Linnæi Presl.
Spergula Linn.
arvensis L.
Lepigonum Fries.
macrothecum Fisch. & Mey.
medium Fries.
rubrum Fries.
Polycarpon Linn.
tetraphyllum L. f.

Pentacæna Bartling.
ramosissima Hook. & Arn.

PORTULACACEÆ.

Portulaca Tourn.
oleracea L.
Calandrinia HBK.
Menziesii Hook.
pygmæa Gray.
Nevadensis Gray.
Leana Porter.
oppositifolia Watson.
Cotyledon Watson.
Talinum Adans.
spinescens Torrey.
Claytonia Linn.
umbellata Watson.
megarrhiza Parry.
triphylla Watson.
lanceolata Pursh.
perfoliata Don.
var. parviflora Torrey.
var. spathulata Torrey.
exigua T. & G.
diffusa Nutt.
Sibirica L.
bulbifera Gray.
cordifolia Watson.
parvifolia Mocq.
Chamissonis Esch.
var. tenerrima Gray.
linearis Dougl.
dichotoma Nutt.
Montia Linn.
Howellii Watson.
fontana L.
Calyptridium Nuttall.
roseum Watson.
Spraguea Torrey.
umbellata Torrey.
Lewisia Pursh.
rediviva Pursh.

ELATINEÆ.

Elatine Linn.
Americana Arnott.
Californica Gray.
Bergia Linn.
Texana Seubert

HYPERICACEÆ.

Hypericum Linn.
perforatum L.
Scouleri Hook.
anagalloides Cham. & Schlecht.

MALVACEÆ.

Malvastrum Gray.
Munroanum Gray.
Malva Linn.
borealis Wallman.
rotundifolia L.
Sidalcea Gray.
malvæflora Gray.
humilis Gray.
Oregana Gray.
campestris Greene.
Sphæralcea St. Hilaire.
rivularis Dougl.
Sida Linn.
hederacea Torrey.
spinosa L.

LINACEÆ.

Linum Linn.
perenne L.
digynum Gray.
micranthum Gray.

GERANIACEÆ.

Geranium Linn.
Carolinianum L.
dissectum L.
pusillum L.
Fremonti Torrey.
Richardsoni Fisch. & Mey.
incisum Nutt.
Erodium L'Her.
cicutarium L'Her.
moschatum Willd.
Limnanthes R. Brown.
Douglasii R. Br.
alba Hartweg.
Flœrkea Willdenow.
proserpinacoides Willd.
Oxalis Linn.
Oregana Nutt.
trilliifolia Nutt.
corniculata L.
Impatiens Linn.
pallida Nutt.
fulva Raf.

CELASTRACEÆ.

Euonymus Tourn.
occidentalis Nutt.
Pachystima Raf.
Myrsinites Raf.

RHAMNACEÆ.

Rhamnus Linn.
Purshiana DC.
alnifolia L'Her.
Californica Esch.
Ceanothus Linn.
sanguineus Pursh.
velutinus Dougl.

Ceanothus.
thyrsiflorus Esch.
var. macrothyrsus Torrey.
integerrimus Hook. & Arn.
divaricatus Nutt.
cuneatus Nutt.
prostratus Benth.

VITACEÆ.

Vitis Tourn.
Californica Benth.

SAPINDACEÆ.

Acer Tourn.
macrophyllum Pursh.
glabrum Torrey.
circinatum Pursh.
Glossopetalon Gray.
spinescens Gray.

ANACARDIACEÆ.

Rhus Linn.
aromatica var. triloba T. & G.
diversiloba T. & G.
Toxicodendron L.
glabra L.

LEGUMINOSÆ.

Thermopsis R. Brown.
montana Nutt.
Californica Watson.
Lupinus Linn.
Chamissonis Esch.
polyphyllus Lindl.
rivularis Dougl.
Wyethii Watson.
Burkei Watson.
littoralis Dougl.
arcticus Watson.
Sabinii Dougl.
albicaulis Dougl.
var. Bridgesii Watson.
ornatus Dougl.
sulphureus Dougl.
sericeus Pursh.
leucophyllus Dougl.
lepidus Dougl.
flexuosus Lindl.
parviflorus Nutt.
calcaratus Kellogg.
laxiflorus Dougl.
argenteus Pursh.
holosericeus Nutt.
aridus Dougl.
var. Lobbii Watson.
minimus Dougl.
Lyallii. Gray.
luteolus Kellogg.
micranthus Dougl.
var. bicolor Watson.
Lupinus.
microcarpus Sims.
pusillus Pursh.
brevicaulis Watson.
Trifolium Linn.
megacephalum Nutt.
Plummeræ Lemmon.
eriocephalum Nutt.
plumosum Dougl.
longipes Nutt.
var. latifolium Hook.
altissimum Dougl.
pratense L.
Beckwithii Brewer.
Kingii Watson.
Breweri Watson.
repens L.
Macræi Hook. & Arn.
var. dichotomum Brewer.
procumbens L.
gracilentum T. & G.
var. bifidum Gray.
pauciflorum Nutt.
involucratum Willd.
tridentatum Lind.
var. melananthum Watson.
microcephalum Pursh.
microdon Hook. & Arn.
cyathiferum Lindl.
fucatum Lindl.
Melilotus Tourn.
alba Lam.
parviflora Desf.
Hosackia Douglas.
decumbens Benth.
crassifolia Benth.
bicolor Dougl.
gracilis Benth.
parviflora Benth.
Purshiana Benth.
subpinnata T. & G.
brachycarpa Benth.
Psoralea Linn.
physodes Dougl.
lanceolata Pursh.
Petalostemon Michx.
ornatus Dougl.
Astragalus Tourn.
lentiginosus Gray.
diphysus Gray.
spaldingii Gray.
Lyallii Gray.
Hypoglottis L.
drepanolobus Gray.
malacus Gray.
arrectus Gray.
succumbens Dougl.
Mortoni Nutt.
adsurgens Pall.
atratus Watson.

Astragalus.
obscurus Watson.
Howellii Gray.
misellus Watson.
racemosus Pursh.
alpinus L.
Pulsiferæ Gray.
glareosus Dougl.
inflexus Dougl.
Purshii Dougl.
Geyeri Gray.
diurnus Watson.
pictus Gray.
Hookerianus Gray.
microcystis Gray.
reventus Gray.
conjunctus Watson.
sclerocarpus Gray.
speirocarpus Gray.
cryptoides Gray.
collinus Dougl.
filipes Torrey.
multiflorus Gray.
Bourgovii Gray.
porrectus Watson.
Webberi Gray.
pauciflorus Hook.
miser Dougl.
tegetarius Watson.
serotinus Gray.
Kentrophyta Gray.
var. elatus Watson.
Cusickii Gray.

Glycyrrhiza Linn.
lepidota Nutt.
var. glutinosa Watson.

Hedysarum Tourn.
Mackenzii Richard.

Vicia Tourn.
gigantea Hook.
Americana Muhl.
var. truncata Brew.
sativa L.
exigua Nutt.
hirsuta Koch.

Lathyrus Linn.
maritimus Bigelow.
polyphyllus Nutt.
ochroleucus Hook.
sulphureus Brewer.
Bolanderi Watson.
Nuttallii Watson.
vestitus Nutt.
paluster L.
littoralis Endl.
Nevadensis Watson.
polymorphus Nutt.
Cusickii Watson.
albus Watson.
Torreyi Gray.

ROSACEÆ.

Prunus Tourn.
subcordata Benth.
emarginata Walp.
mollis Walp.
demissa Walp.

Nuttallia Torrey & Gray.
cerasiformis T. & G.

Spiræa Linn.
betulæfolia Pall.
var. rosea Gray.
chamædrifolia L.
Douglasii Hook.
var. Menziesii Presl.
var. Nobleana Watson.
cæspitosa Nutt.
Aruncus L.
occidentalis Watson
pectinata T. & G.
discolor Pursh.
var. dumosa Watson.
var. ariæfolia Watson.

Neillia Don.
opulifolia Benth. & Hook.
var. mollis Brew. & Wats.

Rubus Linn.
Nutkanus Mocq.
spectabilis Pursh.
var. Menziesii Watson.
leucodermis Dougl.
strigosus Michx.
ursinus Cham. & Schlecht.
nivalis Dougl.
pedatus Smith.
lasiococcus Gray.

Purshia DC.
tridentata DC.

Cercocarpus HBK.
ledifolius Nutt.
intricatus Watson.
parvifolius Nutt.

Geum Linn.
macrophyllum Willd.
urbanum var. Oregonense Sche.
triflorum Pursh.

Fragaria Tourn.
vesca L.
Californica Cham. & Schlecht.
Chilensis Duchesne.

Potentilla Linn.
arguta Pursh.
glandulosa L.
var. Nevadensis Watson.
rivalis Nutt.
var. millegrana Watson.
Plattensis Nutt.
Norvegica L.
supina L.

Potentilla.
dissecta Pursh.
Hippiana Lehm. var.
gracilis Dougl.
var flabelliformis T. & G.
var. fastigiata Watson.
fragiformis Willd.
var. villosa Reg. & Tilling.
gelida C. A. Meyer.
brevifolia. Nutt.
fruticosa L.
Anserina L.
var. grandis Lehm.
palustris Scop.

Sibbaldia Linn.
procumbens L.

Horkelia Cham. & Schlecht.
fusca Lindl.
capitata Lindl.
congesta Hook.
var. latiloba Watson.
sericata Waston.
tridentata Torrey.

Ivesia Torrey & Gray.
Pickeringii Torrey.
Gordoni T. & G.
Baileyi Watson.

Alchemilla Tourn.
arvensis Scop.

Agrimonia Tourn.
Eupatoria L.

Poterium Linn.
officinale Benth. & Hook.
annuum Nutt.

Rosa Tourn.
Nutkana Presl.
pisocarpa Gray.
Californica Cham. & Schlecht.
Fendleri Crepin.
gymnocarpa Nutt.
rubiginosa L.

Pirus Linn.
rivularis Dougl.
sambucifolia Cham. & Schlecht.

Cratægus Linn.
Douglasii Lindl.
rivularis Nutt.

Amelanchier Medicus.
alnifolia Nutt.

Peraphyllum Nuttall.
ramosissimum Nutt.

SAXIFRAGACEÆ.

Saxifraga Linn.
peltata Torrey.
Tolmiei T. & G.
stellaris L.
leucanthemifolia Michx.
integrifolia Hook.

Saxifraga.
reflexa Hook.
punctata L.
Mertensiana Bong.
fragarioides Greene.
tricuspidata Ritz.
bronchialis L.
var. cherlerioides Engler.
cæspitosa L.
elegans Nutt.
ranunculifolia Hook.

Suksdorfia Gray.
violacea Gray.

Boykinia Nuttall.
occidentalis T. & G.
major Gray.

Bolandera Gray.
Oregana Watson.

Sullivantia Torrey & Gray.
Oregana Watson.

Tiarella Linn.
trifoliata L.
unifoliata Hook.

Tellima R. Brown.
grandiflora R. Br.
parviflora Hook.
tenella Walp.

Mitella Tourn.
caulescens Nutt.
Breweri Gray.
trifida Graham.
pentandra Hook.

Heuchera Linn.
cylindrica Dougl.
var. alpina Watson.
glabella Nutt.
rubescens Torrey.
parvifolia Nutt.
glabra Willd.
racemosa Watson.
micrantha Dougl.

Tolmiea Torrey & Gray.
Menziesii T. & G.

Chrysosplenium Tourn.
glechomæfolium Nutt.

Parnassia Tourn.
palustris L.
fimbriata Koenig.

Philadelphus Linn.
Lewisii Pursh.

Whipplea Torrey.
modesta Torrey.

Ribes Linn.
Menziesii Pursh.
Lobbii Gray.
ambiguum Watson.
leptanthum Gray.
divaricatum Dougl.
var. irriguum Gray.

Ribes.
oxyacanthoides L.
lacustre Poiret.
var. parvulum Gray.
bracteosum Dougl.
laxiflorum Pursh.
cereum Dougl.
Hudsonianum Richard.
viscosissimum Pursh.
sanguineum Pursh.
aureum Pursh.
var. triflorum Torrey.
gracile Michx.

CRASSULACEÆ.

Tillæa Linn.
angustifolia Nutt.
Sedum Linn.
Rhodiola DC.
spathulifolium Hook.
Oreganum Nutt.
pumilum Benth.
stenopetalum Pursh.
Douglasii Hook.
divergins Watson.
divaricatum Watson.
Cotyledon Linn.
Oregonensis Watson.
farinosa Benth. & Hook.

DROSERACEÆ.

Drosera Linn.
rotundifolia L.
Anglica Hudson.

HOLORAGEÆ.

Hippuris Linn.
vulgaris L.
Myriophyllum Linn.
verticillatum L.
hippuroides Nutt.
ambiguum Nutt.
spicatum L.

LYTHRACEÆ.

Ammannia Houston.
latifolia L.
humilis Micnx.
Lythrum Linn.
Hyssopifolia L.

ONAGRACEÆ.

Epilobium Linn.
spicatum Lam.
opacum Lehm.
luteum Pursh.
suffruticosum Nutt.
Oregonense Hausk.
Franciscanum Barbey.

Epilobium.
affine Bong.
tetragonum L.
coloratum Muhl.
palustre L.
minutum Lindl.
paniculatum Nutt.
jucundum Gray.
origanifolium Lam.
alpinum L.
glaberrimum Barbey.
Ludwigia Linn.
palustris Elliott.
Clarkia Pursh.
elegans Lindl.
pulchella Pursh.
rhomboidea Dougl.
Gayophytum Torrey & Gray.
diffusum T & G.
ramosissimum T & G.
racemosum T. & G.
pumilum Watson.
Œnothera Linn.
biennis L.
trichocalyx Nutt.
albicaulis Nutt.
cæspitosa Nutt.
triloba Nutt.
Nuttallii T. & G.
heterantha Nutt.
graciliflora Hook. & Arn.
alyssoides Hook. & Arn.
Boothii Dougl.
cheiranthifolia Hornem.
dentata Cav.
strigulosa T. & G.
var. pubens Watson.
divaricata Greene.
andina Nutt.
scapoidea Nutt.
var. purpurascens Watson.
Godetia Spach.
purpurea Watson.
lepida Lindl.
var. parviflora Watson.
var. Arnottii Watson.
albescens Lindl.
quadrivulnera Spach.
tenella Watson.
viminea Spach.
amœna Lilj.
epilobioides Watson.
Boisduvalia Spach.
Torreyi Watson.
densiflora Watson.
glabella Walp.
Gaura Linn.
parviflora Dougl.
Circæa Linn.
Pacifica Asch. & Mag.

LOASACEÆ.

Mentzelia Linn.
albicaulis Dougl.
gracilenta T. & G.
dispersa Watson.
pumila Nutt.
congesta T. & G.
Brandegei Watson.
lævicaulis T. & G.

CUCURBITACEÆ.

Megarrhiza Torrey.
Oregana Torrey.

CACTACEÆ.

Mamillaria Haw.
vivipara Haw.
Opuntia Tourn.
Missouriensis DC.

FICOIDEÆ.

Mullugo Linn.
verticillata L.

UMBELLIFERÆ.

Hydrocotyle Tourn.
ranunculoides L. f.
Eryngium Tourn.
petiolatum Hook.
var. juncifolium Gray.
var. armatum Watson.
Sanicula Tourn.
Menziesii Hook. & Arn.
Nevadensis Watson.
bipinnatifida Dougl.
bipinnata Hook. & Arn.
Conium Linn.
maculatum L.
Deweya Torrey & Gray.
Kelloggii Gray.
Cicuta Linn.
maculata L.
Carum Linn.
Gairdneri Benth. & Hook.
Oreganum Watson.
Sium Linn.
cicutæfolium Gmelin.
Pimpinella Linn.
apiodora Gray.
Osmorrhiza Raf.
nuda Torrey.
Glycosma Nuttall.
occidentale Nutt.
ambiguum Gray.
Ligusticum Linn.
apiifolium Benth. & Hook.
scopulorum Gray.
Scoticum L.
Thaspium Nuttall.
trifoliatum Gray.
Œnantha Linn.
sarmentosa Presl.
Cymopterus Raf.
terebinthinus T. & G.
glaucus Nutt.
Selinum Linn.
capitellatum Benth. & Hook.
Kingii Watson.
Pacificum Watson.
Angelica Linn.
arguta Nutt.
genuflexa Nutt.
Lyallii Watson.
Archangelica Hoffman.
Gmelini DC.
Phellopterus Nuttall.
littoralis Schmidt.
Ferula Linn.
multifida Gray.
purpurea Watson.
dissoluta Watson.
Californica Gray.
Peucedanum Linn.
leiocarpum Nutt.
Nuttallii Watson.
triternatum Nutt.
simplex Nutt.
Cusickii Watson.
ambiguum Nutt.
lævigatum Nutt.
Hallii Watson.
Howellii Watson.
utriculatum Nutt.
Suksdorfii Watson.
millefolium Watson.
macrocarpum Nutt.
var. eurycarpum Gray.
leptocarpum Nutt.
farinosum Geyer.
dasycarpum T. & G.
Cous Watson.
Geyeri Watson.
nudicaule Nutt.
Nevadense Watson.
Heracleum Linn.
lanatum Michx.
Daucus Tourn.
pusillus Michx.
Caucalis Linn.
microcarpa Hook. & Arn.
Crantzia Nuttall.
linaeta Nutt.

Orogenia Watson.
linearifolia Watson.

ARALIACEÆ.

Aralia Linn.
Californica Watson.
Fatsia Dene. & Planch.
horrida Benth. & Hook.

CORNACEÆ.

Cornus Linn.
Canadensis L.
Nuttallii Audubon.
pubescens Nutt.
stolonifera Michx.
glabrata Benth.
Garrya Douglas.
elliptica Dougl.
Fremonti Torrey.

CAPRIFOLIACEÆ.

Sambucus Tourn.
racemosa L.
var. arborescens T. & G.
melanocarpa Gray.
glauca Nutt.
Viburnum Linn.
Opulus L.
pauciflorum Pylaie.
ellipticum Hook.
Linnæa Gronov.
borealis var. longiflora Torrey.
Symphoricarpos Dill.
occidentalis Hook.
racemosus Michx.
var. pauciflorus Robbins.
mollis Nutt.
var. acutus Gray.
rotundifolius Gray.
oreophilus Gray.
Lonicera Linn.
cærulea L.
conjugialis Kellogg.
Utahensis Watson.
involucrata Banks.
ciliosa Poir.
hispidula Dougl.
var. vacillans Gray.

RUBIACEÆ.

Kelloggia Torrey.
galioides Torrey.
Galium Linn.
Aparine L.
var. Vaillantii. Koch.
Galium.
bifolium Watson.
Kamtschaticum Steller.
boreale L.
trifidum L.
asperrimum Gray.
triflorum Michx.
multiflorum Kellogg.
var. Watsoni Gray.
Andrewsii Gray.

VALERIANACEÆ.

Valeriana Tourn.
edulis Nutt.
sylvatica Banks.
Sitchensis Bong.
Valerianella Tourn.
macrocera Gray.
congesta Lindl.
anomala Gray.
aphanoptera Gray.
samolifolia Gray.

DIPSACACEÆ.

Dipsacus Tourn.
sylvestris Mill.

COMPOSITEÆ.

Eupatorium Tourn.
occidentale Hook.
Brickellia Ell.
oblongifolia Nutt.
linifolia Eaton.
grandiflora Nutt.
microphylla Gray.
Grindelia Willd.
hirsutula Hook. & Arn.
integrifolia DC.
Oregana Gray.
nana Nutt.
var. discoidea Gray.
Chrysopsis Nuttall.
villosa Nutt.
var. hispida Gray.
Oregana Gray.
Aplopappus Cass.
carthamoides Gray.
var. maximus Gray.
var. Cusickii Gray.
racemosus Torrey.
var. glomerellus Gray.
hirtus Gray.
Howellii Gray.
lanceolatus T. & G.
var. tenuicaulis Gray.
Hallii. Gray.
Lyalli Gray.
lanuginosus Gray.

Aplopappus.
Brandegei Gray.
acaulis Gray.
stenophyllus Gray.
Bloomeri Gray.
nanus Eaton.
Greenei Gray.
var. mollis Gray.
suffruticosus Gray.

Bigelovia DC.
graveolens Gray.
var. albicaulis Gray.
Douglasii Gray.
var. serrulata Gray.
var. tortifolia Gray.
var. latifolia Gray.

Solidago Linn.
multiradiata Ait.
var. scopulorum Gray.
humilis var. nana Gray.
confertiflora DC.
Tolmieana Gray.
Missouriensis v. montana Gray.
serotina Ait.
elongata Nutt.
occidentalis Nutt.

Bolton.a L'Her.
latisquama v. occidentalis Gray.

Townse..dia Hooker.
florifer Gray.

Sericocarpus Nees.
rigidus Lindl.

Aster Tourn.
radulinus Gray.
conspicuous Lindl.
integrifolius Nutt
campestris Nutt.
modestus Lindl.
commutatus Gray.
Chamissonis Gray.
Menziesii Lindl.
Hallii Gray.
Fremonti Gray.
occidentalis Nutt.
var. intermedius Gray.
Oreganus Nutt.
Douglasii Lindl.
foliaceus Lindl.
var. frondeus Gray.
var. apricus Gray.
var. Burkei Gray.
var. Eatoni Gray.
var. pubescensGray.
Cusickii Gray.
var. Lyallii Gray.
scopulorum Gray.
stenomeres Gray.
Engelmanni Gray.
var. ledophyllus Gray.
var. glaucescens Gray.

Aster.
elegans T. & G.
Andersoni Gray.
pulchellus Eaton.
exilis var. australis Gray.
frondosus T. & G.
canescens Pursh.

Erigeron Linn.
uniflorus L.
lanatus Hook.
glaucus Ker.
salsuginosus Gray.
var. angustifolius Gray.
Howellii Gray.
speciosus DC.
concinnus T. & G.
poliospermus Gray.
Chrysopsidis Gray.
compositus Pursh.
var. discoideus Gray.
filifolius Nutt.
pencephyllus Gray.
ochroleucus Nutt.
nudatus Gray.
Bloomeri Gray.
Nevadensis Gray.
corymbosus Nutt.
decumbens Nutt.
foliosus Nutt.
var. stenophyllus Gray.
inornatus Gray.
Oreganus Gray.
Philadelphicus L.
divergens T. & G.
annuus Presl.
strigosus Muhl.
acris L.
var. Dræbachensis Blyatt.
var. debilis Gray.
Canadensis L.

Baccharis Linn.
pilularis DC.

Micropus Linn.
Californicus Fisch. & Meyer.

Stylocline Nuttall.
filaginea Gray.

Psilocarphus Nuttall.
tenellus Nutt.
Oreganus Nutt.
elatior Gray.
brevisissimus Nutt.

Evax Gærtner.
caulescens Gray.

Antennaria Gærtner.
dimorpha T. & G.
flagellaris Gray.
stenophylla Gray.
Geyeri Gray.
luzuloides T. & G.
argentea Benth.

Antennaria
Carpathica R. Brown.
var. pulcherrima Hook.
alpina Gærtn.
dioica Gærtn.
plantaginifolia Hook.
racemosa Hook.
Anaphalis DC.
margaritacea Benth. & Hook.
Gnaphalium Linn.
microcephalum Nutt.
Sprengelii Hook. & Arn.
decurrens Ives.
palustre Nutt.
uliginosum L.
purpureum L.
Inula Linn.
Helenium L.
Adenocaulon Hooker.
bicolor Hook.
Dimeresia Gray.
Howellii Gray.
Iva Linn.
xanthiifolia Nutt.
axillaris Pursh.
Ambrosia Tourn.
artemisiæfolia L.
Franseria Cav.
Hookeriana Nutt.
bipinnatifida Nutt.
Chamissonis Less.
Xanthium Tourn.
Canadense Mill.
spinosum L.
Rudbeckia Linn.
Californica Gray.
occidentalis Nutt.
Balsamorrhiza Hooker.
Careyana Gray.
sagittata Nutt.
deltoidea Nutt.
terebinthacea Nutt.
Hookeri Nutt.
var. incana Gray.
hirsuta Nutt.
Wyethia Nuttall.
helianthoides Nutt.
amplexicaulis Nutt.
angustifolia Nutt.
Helianthus Linn.
annuus L.
petiolaris Nutt.
Nuttallii T. & G.
Cusickii Gray.
Helianthella Torrey & Gray.
Douglasii T. & G.
Coreopsis Linn.
Atkinsoniana Dougl.
Bidens Tourn.
frondosa L.
cernua L.
bipinnata L.
Blepharipappus Hooker.
scaber Hook.
Madia Molina.
Nuttallii Gray.
elegans Don.
sativa Molina.
var congesta T. & G.
var. racemosa Gray.
dissitiflora T. & G.
glomerata Hook.
filipes Gray.
Hemizonella Gray.
Durandii Gray.
Hemizonia DC.
citriodora Gray.
truncata Gray.
Achyrachæna Schauer.
mollis Schauer.
Lagophylla Nuttall.
ramosissima Nutt.
Layia Hooker & Arnott.
glandulosa Hook. & Arn.
Douglasii Hook. & Arn.
Jaumea Pers.
carnosa Gray.
Lasthenia Cass.
glaberrima DC.
Baeria Fischer & Meyer.
gracilis Gray.
Eriophyllum Lagasca.
stæchadifolium Lag.
cæspitosum Dougl.
var. leucophyllum Gray.
var. integrifolium Gray.
gracile. Gray.
Bahia Lagasca.
oppositifolia Nutt.
Hymenopappus L'Her.
filifolius Hook.
Rigiopappus Gray.
leptocladus Gray.
Chænactis DC.
Nevii Gray.
Cusickii Gray.
Douglasii Hook. & Arn.
var. alpina Gray.
Hulsea Torrey & Gray.
nana Gray.
Actinella Pers.
Richardsonii Nutt.
Helenium Linn.
autumnale L.
Bigelovii Gray.

Gaillardia Fougeroux.
aristata Pursh
Anthemis Linn.
cotula L.
arvensis L.
Achillea Vaillant.
Millefolium L.
Matricaria Tourn.
discoidea DC.
Chrysanthemum Tourn.
Leucanthemum L.
Soliva Ruiz. & Pav.
sessilis Ruiz. & Pav.
Cotula Linn.
coronopifolia L.
australis Hook. f.
Tanacetum Tourn.
vulgare L.
Huronense Nutt.
potentilloides Gray.
canum Eaton.
Artemisia Tourn.
spinescens Eaton.
Canadensis Michx.
Grœnlandica Wormskiold.
pedatifida Nutt.
dracunculoides Pursh.
biennis Willd.
Richardsoniana Bess.
Ludoviciana Nutt.
vulgaris var. Californica Bess.
discolor Dougl.
var. incompta Gray.
Lindleyana Bess.
Prescottiana Bess.
rigida Gray.
arbuscula Nutt.
tridentata Nutt.
trifida Nutt.
Petasites Tourn.
palmata Gray
Cacaliopsis Gray.
Nardosmia Gray.
Luina Benth.
hypoleuca Benth.
Crocidium Hooker.
multicaule Hook.
Tetradymia DC.
canescens DC.
var. inermis Gray
glabrata Gray.
spinosa Hook. & Arn.
Raillardella Gray.
Pringlei Greene.
Arnica Linn.
discoidea Benth.
cordifolia Hook.
var. eradiata Gray.

Arnica.
latifolia Bong.
amplexicaulis Nutt.
Chamissonis Less.
foliosa Nutt.
Parryi Gray.
alpina Olin.
Senecio Tourn.
megacephalus Nutt.
triangularis Hook.
serra Hook.
var. integriusculus Gray.
hydrophilus Nutt.
lugens Richards.
var. exaltatus Gray.
var. ochroleucus Gray.
fastigiatus Nutt.
canus Hook.
aureus L.
var. Balsamitæ T. & G.
var. borealis T. & G.
var. subnudus Gray.
Bolanderi Gray.
vulgaris L.
Saussurea DC.
Americana Eaton.
Arctium Linn.
Lappa L.
Cnicus Tourn.
lanceolatus Hoffm.
Americanus Gray.
remotifolius Gray.
edulis Gray.
Hallii Gray.
occidentalis Gray.
Andersoni Gray.
Drummondii Gray.
foliosus Gray.
undulatus Gray.
Breweri Gray.
Silybum Vaill.
Marianum Gærtn.
Centaurea Linn.
benedicta L.
Melitensis L.
cyanus L.
Lampsana Tourn.
communis L.
Cichorium Tourn.
Intybus L.
Stephanomeria Nuttall.
minor Nutt.
virgata Benth.
puniculata Nutt
Microseris Don.
nutans Gray.
major Gray.
var. laciniata Gray.
procera Gray.

Microseris.
laciniata Gray.
leptosepala Gray.
Bolanderi Gray.
Howellii Gray.
macrochæta Gray.
linearifolia Gray.
Bigelovii Gray.
troximoides Gray.
Malacothrix DC.
Torreyi Gray.
Apargidium Torrey & Gray.
boreale T. & G.
Hieracium Tourn.
Canadense Michx.
Scouleri Hook.
gracile Hook.
albiflorum Hook.
cynoglossoides Arvet
Bolanderi Gray.
Crepis Linn.
virens L.
runcinata T. & G.
acuminata Nutt.
intermedia Gray.
occidentalis Nutt.
var. crinita Gray.
Prenanthes Vaill.
alata Gray.
Lygodesmia Don.
spinosa Nutt.
Troximon Nuttall.
alpestre Gray.
glaucum Nutt.
var. dasycephalum T. & G.
var. laciniatum Gray.
aurantiacum Hook.
gracilens Gray.
Nuttallii Gray.
apargioides Less.
humile Gray.
laciniatum Gray.
grandiflorum Gray.
retrorsum Gray.
heterophyllum Greene.
Taraxacum Haller.
officinale Weber.
Lactuca Tourn.
Canadensis L.
pulchella DC.
leucophæa Gray.
Sonchus Tourn.
asper Vill.

LOBELIACEÆ.

Howellia Gray.
aquatalis Gray.
Laurentia Micheli.
carnosula Benth.
Downingia Torrey.
elegans Torrey.
pulchella Torrey.

CAMPANULACEÆ.

Githopsis Nuttall.
specularioides Nutt.
Specularia Heister.
perfoliata A. DC.
Campanula Tourn.
scabrella Engelmann.
rotundifolia L.
Scouleri Hook.
prenanthoides Durand.
Heterocodon Nuttall.
rariflorum Nutt.

ERICACEÆ.

Vaccinium Linn.
uliginosum L.
occidentale Gray.
cæspitosum Michx.
var. arbuscula Gray.
var. cuneifolium Nutt.
Myrtillus L.
var. microphyllum Hook.
myrtilloides Hook.
ovalifolium Smith.
parvifolium Smith
ovatum Pursh.
Oxycoccus var. intermedium Gr.
Arbutus Tourn.
Menziesii Pursh.
Arctostaphylos Adans
alpina Spreng.
Uva-ursi Spreng.
Nevadensis Gray.
tomentosa Dougl.
pungens HBK.
var platyphylla Gray.
Gaultheria Kalm.
Myrsinites Hook.
ovatifolia Gray.
Shallon Pursh.
Cassiope Don.
lycopodioides Don.
Mertensiana Don.
tetragona Don.
Bryanthus Steller.
empetriformis Gray.
glanduliflorus Gray.
Kalmia Linn.
glauca Ait.
Menziesia Smith.
glabella Gray.
ferruginea Smith.
Rhododendron Linn.
Kamtschaticum Pall.
albiflorum Hook.

Rhododendron.
occidentale Gray.
Californicum Hook.
Ledum Linn.
palustre L.
latifolium Ait.
glandulosum Nutt.
Clodothamnus Bongard.
pyrolæflorus Bong.
Chimaphila Pursh.
umbellata Nutt.
Menziesii Spreng.
maculata Pursh.
Moneses Salisb.
uniflora Gray.
Pyrola Tourn.
minor L.
secunda L.
chlorantha Swartz.
elliptica Nutt.
rotundifolia L.
var. bracteata Gray.
picta Smith.
aphylla Smith.
Allotropa Torrey & Gray.
virgata T. & G.
Pterospora Nuttall.
andromedea Nutt.
Sarcodes Torrey.
sanguinea Torrey.
Monotropa Linn.
uniflora L.
Hypopitys L.
fimbriata Gray.
Pleuricospora Gray.
fimbriolata Gray.
Newberrya Torrey.
congesta Torrey.

PLUMBAGINACEÆ.

Armeria Willdnow.
vulgaris Willd.

PRIMULACEÆ.

Dodecatheon Linn.
Jeffreyi Moore.
var. alpinum Gray.
ellipticum Nutt.
Hendersoni Gray.
frigidum Cham. & Schlecht.
var. dentatum Gray.
Primula Linn.
Cusickiana Gray.
Douglasia Lindley.
nivalis var. dentata Gray.
lævigata Gray.
Androsace Tourn.
septentrionalis L.
Trientalis Linn.
Europæa var. arctica Ledeb.
var. latifolia Torrey.
Steironema Rafinesque.
ciliatum Raf.
Lysimchia Tourn.
thyrsiflora L.
Glaux Tourn.
maritima L.
Anagallis Tourn.
arvensis L.
Centunculus Dill.
minimus L.
Samolus Tourn.
floribundus HBK.

OLEACEÆ.

Fraxinus Tourn.
Oregana Nutt.

APOCYNACEÆ.

Apocynum Tourn.
androsæmifolium L.
var. pumilum Gray.
cannabinum L.

ASCLEPIADACEÆ.

Asclepias Linn.
speciosa Torrey.
cryptoceras Watson.
Mexicana Cav.
Gomphocarpus R. Brown.
cordifolius Benth.

GENTIANACEÆ.

Microcala Link.
quadrangularis Griseb.
Erythræa Renealm.
Muhlenbergii Griseb.
Douglasii Gray.
curvistamenea Wittrock.
Nuttallii Watson.
Gentiana Tourn.
simplex Gray.
tenella Rottb.
amarella var. acuta Hook. f.
var. stricta Watson.
Douglasiana Bong.
Newberryi Gray.
calycosa Griseb.
Menziesii Griseb.
sceptrum Griseb.
Oregana Engelm.
affinis Gaiseb.
Frasera Walter.
thrysiflora Hook.

Frasera.
speciosa Dougl.
nitida Benth.
albicaulis Dougl.
Menyanthes Tourn.
trifoliata L.
Crista-galli Menzies.

POLEMONIACEÆ.

Phlox Linn.
Hoodii Richards.
cæspitosa Nutt.
Douglasii Hook.
var diffusa Gray.
var longifolia Gray.
linearifolia Gray.
longifolia Nutt.
var. Stansburyi Gray.
adsurgens Torrey.
speciosa Pursh.
var. Sabini Gray.
Gilia Ruiz. & Pav.
Harknessii Curran.
liniflora var. pharnaceoides Gray.
pusilla var. Californica Gray.
Bolanderi Gray.
tenella Benth.
nudicaulis Gray.
pungens Benth.
var. Hookeri Gray.
var. squarrosa Gray.
grandiflora Gray.
linearis Gray.
var. subulata Gray.
aristella Gray.
gracilis Hook.
heterophylla Dougl.
glutinosa Gray.
capillaris var. rigidiuscula Gray.
squarrosa Hook. & Arn.
intertexta Steud.
minima Gray.
Breweri Gray.
divaricata Torrey.
floccosa Gray.
congesta Hook.
aggregata Spreng.
minutiflora Benth.
tenerrima Gray.
debilis Watson.
capitata Dougl.
tricolor Benth.
tenuiflora Benth.
inconspicua Dougl.
var. sinuata Gray.
Polemonium Tourn.
confertum Gray.
pulchellum Bunge.
cæruleum L.
foliosissimum Gray.

Polemonium.
carneum Gray.
var. luteum Gray.
pectinatum Greene.
micranthum Benth.

HYDROPHYLLACEÆ.

Hydrophyllum Tourn.
capitatum Dougl.
occidentale Gray.
var. Fendleri Gray.
Virginicum L.
Nemophila Nutt.
Menziesii H. & A.
parviflora Dougl.
breviflora Gray.
Phacelia Juss.
circinata Jacq. f.
var. calycosa Gray.
var. stricta Gray.
Pringlei Gray.
malvæfolia Cham.
Rattani Gray.
ramosissima Dougl.
ciliata Benth.
Bolanderi Gray.
procera Gray.
sericea Gray.
Franklinii Gray.
Menziesii Torrey.
Ivesiana Torrey.
bicolor Torrey.
Emmenanthe Benth.
parviflora Gray.
Conanthus Watson
aretoides Watson.
Romanzoffia Cham.
Sitchensis Bong.
Hesperochiron Watson
Californicus Watson.
pumilus Porter.
Eriodictyon Benth.
glutinosum Benth.

BORRAGINACEÆ.

Coldenia Linn.
Nuttallii Hook.
Heliotropium Tourn.
Curassavicum L.
Pectocarya DC.
penicillata A. DC.
pusilla Gray.
Cynoglossum Tourn.
grande Dougl.
occidentale Gray.
Echinospermum Swartz.
floribundum Lehm.

Echinospermum.
diffusum Lehm.
hispidum Gray.
deflexum Lehm.
ciliatum Gray.
Redowskii var. occidentalis Wats.
var. cupulatum Gray.
Greenei Gray.
Omphalodes Tourn.
Howardi Gray.
Krynitzkia Fisch. & Meyer.
Californica Gray.
Scouleri Gray.
Pattersoni Gray.
Fendleri Gray.
oxycarya Gray.
leiocarpa Fisch. & Meyer.
affinis Gray.
Torreyana Gray.
barbigera Gray.
ambigua Gray.
muricula Gray.
circumscisa Gray.
pterocarya Gray.
glomerata Gray.
sericea Gray.
leucophæa Gray.
Plagiobothrys Fischer & Meyer.
rufescens Fisch. & Meyer.
tenellus Gray.
nothofulvus Gray.
canescens Benth.
Amsinckia Lehm.
intermedia Fisch. & Meyer.
lycopsoides Lehm.
var. bracteosa Gray.
Mertensia Don.
maritima Don.
oblongifolia Don.
paniculata Don.
lanceolata DC.
Myosotis Linn.
palustris Withering.
verna Nutt.
var. macrosperma Chapm.
Lithospermum Tourn.
pilosum Nutt.
Californicum Gray.

CONVOLVULACEÆ.

Convolvulus Linn.
Soldanella L.
sepium L.
var. Americanus Sims.
occidentalis Gray.
Californicus Choisy.
villosus var. fulcratus Gray.
arvensis L.
Cuscuta Tourn.
arvensis Beyrich.
Cuscuta.
tenuiflora Engelm.
Californica Choisy.

SOLANACEÆ.

Solanum Tourn.
nigrum L.
var. villosum Mill.
umbelliferum Esch.
sisymbriifolium Lam.
Nicotiana Tourn.
attenuata Torrey.
quadrivalvis Pursh.
var. multivalvis Gray.

SCROPHULARIACEÆ.

Verbascum Linn.
Thapsus L.
Blattaria L.
Linaria Tourn.
Canadensis Dumont.
vulgaris Mill.
Antirrhinum Tourn.
Kingii Watson.
Collinsia Nuttall.
grandiflora Dougl.
var. pusilla Gray.
linearis Gray.
sparsiflora Fisch. & Meyer.
parviflora Dougl.
Rattani Gray.
Torreyi Gray.
Tonella Nuttall.
collinsioides Nutt.
floribunda Gray.
Scrophularia Tourn.
nodosa L.
var. Marilandica Gray.
Californica Cham.
Chelone Linn.
nemorosa Dougl.
Pentstemon Mitchell.
Menziesii Hook.
var. Newberryi Gray.
var. Scouleri Gray.
var. Douglasii Gray.
Barrettæ Gray.
Lyalli Gray.
glaber Pursh.
Wardi Gray.
acuminatus Dougl.
miser Gray.
pruinosus Dougl.
ovatus Dougl.
attenuatus Dougl.
confertus Dougl.
var. cæruleo-purpureus Gray.
humilis Nutt.

Pentstemon.
Rattani Gray.
var. minor Gray.
deustus Dougl.
Gairdneri Hook.
var. oreganus Gray.
laricifolius Hook. & Arn.
glandulosus Lindl.
venustus Dougl.
diffusus Dougl.
Richardsonii Dougl.
triphyllus Dougl.
gracilentus Gray.
Rœzli Regel.
Cusickii Gray.
Kingii Watson.
azureus Benth.

Mimulus Linn.
glutinosus Wendl.
Douglasii Gray.
nanus Hook. & Arn.
Bigelovii Gray.
var. ovatus Gray.
cardinalis Dougl.
Lewisii Pursh.
primuloides Benth.
moschatus Dougl.
vir. longiflorus Gray.
var. sessilifolius Gray.
dentatus Nutt.
luteus L.
var. alpinus Gray.
var. depauperatus Gray.
Scouleri Hook.
nasutus Greene.
alsinoides Dougl.
Pulsiferæ Gray.
pedunculariis Dougl.
floribundus Dougl.
Suksdorfii Gray.
rubellus Gray.
exilis Durand.

Gratiola Linn.
ebracteata Benth.
Virginiana L.

Ilysanthes Raf.
gratioloides Benth.

Limosella Linn.
aquatica L.

Synthyris Bentham.
rotundifolia Gray.
reniformis Benth.
var. major Hook.
pinnatifida Watson.
rubra Benth.

Veronica Linn.
Anagallis L.
Americana Schwein.
scutellata L.
Cusickii Gray.

Veronica.
Stelleri Pall.
alpina L.
serphyllifolia L.
peregrina L.
arvensis L.

Castilleia Mutis.
linariæfolia Benth.
parviflora Bong.
miniata Dougl.
pallida Kunth.
var. septentrionalis Gray.
viscidula Gray.

Orthocarpus Nuttall.
pallescens Gray.
pilosus Watson.
attenuatus Gray.
castilleioides Benth.
purpurascens Benth.
imbricatus Torrey.
pachystachyus Gray.
tenuifolius Benth.
bracteosus Benth.
luteus Nutt.
Tolmiei Hook. & Arn.
pusillus Benth.
lithospermoides Benth.
hispidus Benth.

Cordylanthus Nuttall.
ramosus Nutt.
pilosus var. Bolanderi Gray.
capitatus Nutt.

Pedicularis Tourn.
Menziesii Benth.
Grœnlandica Ritz.
contorta Benth.
racemosa Dougl.
ornithorhyncha Benth.
Howellii Gray.
palustris var. Wlassoviana Bunge.
bracteosa Benth.

Rhinanthus Linn.
Crista-galli L.

OROBANCHACEÆ.

Aphyllon Mitchell.
uniflorum Gray.
fasciculatum Gray.
var. luteum Gray.
comosum Gray.
Californicum Gray.
pinetorum Gray.

Boschniakia C. A. Meyer.
strobilacea Gray.

LENTIBULARIACEÆ.

Utricularia Linn.
vulgaris L.

Utricularia.
minor L.
occidentalis Gray.

VERBENACEÆ.

Verbena Tourn.
hastata L.
prostrata R. Br.
bracteosa Michx.

LABIATÆ.

Trichostema Gronov.
oblongum Benth.
lanceolatum Benth.
Mentha Tourn.
viridis L.
Canadensis L.
var. glabrata Benth.
Lycopus Tourn.
Virginicus L.
rubellus Mœnch.
lucidus var. Americanus Gray.
sinuatus Ell.
Monardella Bentham.
villosa Benth.
var. glabella Gray.
odoratissima Benth.
Micromeria Benth.
Douglasii Benth.
Audibertia Bentham.
incana Benth.
Monarda Linn.
fistulosa L.
var. mollis Benth.
Lophanthus Bentham.
urticifolius Benth.
Nepeta Linn.
Cataria L.
Dracocephalum Tourn.
parviflorum Nutt.
Scutellaria Linn.
lateriflora L.
nana Gray.
tuberosa Benth.
angustifolia Pursh.
var. canescens Gray.
antirrhinoides Benth.
galericulata L.
Brunella Tourn.
vulgaris L.
Physostegia Bentham.
parviflora Nutt.
Marrubium Tourn.
vulgare L.
Leonurus Linn.
Cardiaca L.
Lamium Tourn.
amplexicaule L.
Stachys Tourn.
pycnantha Benth.
palustris L.
bullata Benth.
Chamissonis Benth.
ciliata Dougl.
var. pubens Gray.

PLANTAGINACEÆ.

Plantago Tourn.
major L.
var. Asiatica Decaisne.
eriopoda Torrey.
macrocarpa Cham & Schl.
maritima L.
lanceolata L.
Patagonica Jacq.
var. gnaphalioides Gray.
Bigelovii Gray.
pusilla Nutt.

NYCTAGINACEÆ.

Oxybaphus Vahl.
angustifolius Sweet.
Abronia Jussieu.
umbellata Lam.
mellifera Dougl.
latifolia Esch.
turbinata Torrey.
fragrans. Nutt.

POLYGONACEÆ.

Oxyria. Hill.
digyna Campdera.
Rumex Linn.
venosus Pursh.
occidentalis Watson.
salicifolius Weinmann.
crispus L.
conglomeratus Murray.
maritimus L.
sanguineus L.
paucifolius. Nutt.
Acetosella L.
Polygonum Linn.
Paronychia Cham. & Sch.
erectum L.
aviculare L.
minimum Watson.
Douglasii Greene.
var. latifolium Greene.
ramosissimum Michx.
coarctatum Dougl.
polygaloides Meisner.
intermedium Nutt.

Polygonum.
Californicum Meisner.
imbricatum Nutt.
Parryi Greene.
nodosum Persoon.
amphibium L.
Muhlenbergii Watson.
Hartwrightii Gray.
persicaria L.
acre HBK.
Hydropiper L.
hydropiperoides Michx.
Bistorta L.
viviparum L.
polymorphum Ledeb.
Davisiæ Brewer.
dumetorum var. scandens Gray.
Convolvulus L.

Eriogonum Michx.
flavum Nutt.
androsaceum Benth.
pyrolæfolium Hook.
var. coryphæum T. & G.
thymoides Benth.
cæspitosum Nutt.
Douglasii Benth.
sphærocephalum Dougl.
umbellatum Torrey.
var. monocephalum T. & G.
stellatum Benth.
var. bahiæforme Watson.
heracleoides Nutt.
compositum Dougl.
acaule Nutt.
cernuum Nutt
ovalifolium Nutt.
var. proliferum Watson.
dichotomum Dougl.
niveum Dougl.
nudum Dougl.
var. pauciflorum Watson.
var. oblongifolium Watson.
elatum Dougl.
microthecum Nutt.
corymbosum Benth.
brevicaule Nutt.
strictum Benth.
vemineum Dougl.
Baileyi Watson.

Chorizanthe R. Brown.
Watsoni T. & G.

Oxytheca Nuttall.
dendroidea Nutt.

Pterostegia Fischer & Meyer.
drymarioides Fisch. & Meyer.

AMARANTACEÆ.

Nitrophila Watson.
occidentalis Watson.

Amarantus Tourn.
hybridus L.
retroflexus L.
albus L.
chlorostachys Willd.
Californicus Watson.

CHENOPODIACEÆ.

Sarcobatus Nees.
vermiculatus Torrey.

Suæda Forsk.
diffusa Watson.
Torreyana Watson.
depressa Watson.

Chenopodium Linn.
leptophyllum Nutt.
album L.
hybridum L.
Botrys L.
rubrum var. humile Watson.
capitatum Watson.

Monolepis Schrad.
chenopodioides Moquin.
pusilla Torrey.

Atriplex. Tourn.
patula var. littoralis Gray.
pusilla Watson.
truncata Gray.
argentea Nutt.
Nuttallii Watson.
confertifolia Watson.

Eurotia Adanson.
lanata Moquin.

Gravia Hook. & Arn.
polygaloides Hook. & Ara.

Corispermum A. Juss.
hyssopifolium L.

Salicornia Tourn.
herbacea L.
ambigua Michx.

LAURACEÆ.

Umbellularia Nuttall.
Californica Nutt.

ELÆAGNACEÆ.

Shepherdia Nuttall.
argentea Nutt.
Canadensis Nutt.

URTICACEÆ.

Urtica Tourn.
gracilis Ait.
Lyallii Watson.

Parietaria Tourn.
Pennsylvanica Muhl.

Celtis. Tourn.
reticulata Torrey.

EUPHORBIACEÆ.

Eremocarpus Bentham.
setigerus Benth.
Euphorbia Linn.
serpyllifolia Pers.
glyptosperma Engelm.
dictyosperma Fisch. & Meyer.
leptocera Engelm.
maculata L.

CALLITRICHACEÆ.

Callitriche Linn.
marginata T. & G.
sepulta Watson.
verna L.
Bolanderi Hegelm.
autumnalis L.

CERATOPHYLLACEÆ.

Ceratophyllum Linn.
demersum L.

BETULACEÆ.

Betula Tourn.
occidentalis Hook.
glandulosa Michx.
Alnus Tourn.
rubra Bong.
rhombifolia Nutt.
incana var. virescens Watson.
viridis DC.

MYRICACEÆ.

Myrica Linn.
Californica Cham.
Gale L.

SALICACEÆ.

Salix Tourn.
amygdaloides And.
lasiandra Benth.
var. lancifoia Bebb.
longifolia Muhl.
sessilifolia Nutt.
cordata Muhl.
chlorophylla And.
rostrata Richardson.
myrtilloides L.
phlebophylla And.
flavescens Nutt.
Scouleriana Barratt.
Hookeriana Barratt.
Salix.
Geyeriana And.
glauca var. villosa And.
lasiolepis Benth.
var. Bigelovii Bebb.
Barclayi And.
Sitchensis Sanson.
Populus Tourn.
tremuloides Michx.
trichocarpa T. & G.
balsamifera L.
angustifolia James.
monilifera Ait.

CUPULIFERÆ.

Quercus Linn.
Garryana Dougl.
Breweri Engelm.
chrysolepis Leibm.
vaccinifolia Kellogg.
Kelloggii Newberry.
densiflora Hook. & Arn.
Castanopsis Spach.
chrysophylla A. DC.
Corylus Tourn.
rostrata Ait.
var Californica A. DC.
Americana Walter.

ARISTOLOCHIACEÆ.

Asarum Tourn.
caudatum Lindl.

SANTALACEÆ.

Comandra Nuttall.
umbellata Nutt.
pallida A. DC.

LORANTHACEÆ.

Phoradendron Nuttall.
flavescens var. villosum Engelm
juniperinum Engelm.
var. Libocedri Engelm.
Arceuthobium Bieb.
robustum Engelm.
occidentale Engelm.
var. abietinum Engelm.
Americanum Nutt.

CONIFERÆ.

Taxus Tourn.
brevifolia Nutt.
Juniperus Linn.
communis L.
var. alpina Gaud.
occidentalis Hook.
Virginiana L.
Sabina L.

Cupressus Tourn.
Macnabiana Murr.
Chamæcyparis Spach.
Lawsoniana Parl.
Nutkaensis Spach.
Thuya Tourn.
gigantea Nutt.
Libocedrus Endl.
decurrens Torrey.
Sequoia Endl.
sempervirens Endl.
Abies Link.
grandis Lindl.
concolor Lindl.
nobilis Dougl.
amabilis Dougl.
subalpina Engelm.
Pseudotsuga Carriere.
Douglasii Carr.
Tsuga Carriere.
Mertensiana Carr.
Pattoniana Engelm.
Picea Link.
Breweriana Watson.
Sitchensis Carr.
pungens Engelm.
Engelmanni Parry.
Larix Tourn.
Lyallii Parl.
occidentalis Nutt.
Pinus Tourn.
albicaulis Engelm.
monticola Dougl.
Lambertiana Dougl.
Balfouriana Murr.
contorta Dougl.
var. Murrayana Engelm.
Coulteri Don.
ponderosa Dougl.
Jeffreyi Murr.
Sabiniana Dougl.
tuberculata Gordon.

HYDROCHARIDACEÆ.

Anacharis Richard.
Canadensis Planch.

ORCHIDACEÆ.

Corallorhiza Haller.
multiflora Nutt.
Mertensiana Bong.
innata R. Br.
striata Lindl.
Calypso Salisb.
borealis Salisb.
Aplectrum Torrey.
hiemale Torrey.
Habenaria Willdnow.
elegans Bolander.
Unalaschensis Watson.
leucostachys Watson.
sparsiflora Watson.
hyperborea R. Br.
gracilis Watson.
Spiranthes Richard.
Romanzoffiana Cham.
Goodyera R. Brown.
Menziesii Lindl.
Listera R. Brown.
cordata R. Br.
convallarioides Nutt.
Epipactis Haller.
gigantea Dougl.
Cephalanthera Richard.
Oregana Reichenb. f.
Cypripedium Linn.
montanum Dougl.
Californicum Gray.
fasciculatum Kellogg.

IRIDACEÆ.

Iris Tourn.
macrosiphon Torrey.
Douglasiana Herbert.
tenuis Watson.
bracteata Watson.
longipetala Herbert.
Sisyrinchium Linn.
bellum Watson
mucronatum Michx.
Californicum Ait.
grandiflorum Dougl.

LILIACEÆ.

Allium Linn.
Schœnoprasum L.
cernuum Roth.
validum Watson.
Geyeri Watson.
Douglasii Hook.
madidum Watson.
Cusickii Watson.
collinum Dougl.
scilloides Dougl.
acuminatum Hook.
Bolanderi Watson.
attenuifolium Kellogg.
serratum Watson.
Nevii Watson.
macrum Watson.
falcifolium Hook. & Arn.
Breweri Watson.
anceps Kellogg.
pleianthum Watson.
Tolmiei Baker.

Brodiæa Smith.
grandiflora Smith.
minor Watson.
congesta Smith.
multiflora Benth.
Douglasii Watson.
Howellii Watson.
Bridgesii Watson.
crocea Watson.
lactea Watson.
Brevoortia Wood.
coccinea Watson.
Leucocrinum Nuttall.
montanum Nutt.
Camassia Lindley.
esculenta Lindl.
Leichtlinii Watson.
Hastingsia Watson.
alba Watson.
bracteosa Watson.
Chlorogalum Kunth.
pomeridianum Kunth.
Smilacina Desf.
racemosa Desf.
amplexicaulis Nutt.
stellata Desf.
sessilifolia Nutt.
Maianthemum Weber.
bifolium var. dilatatum Wood.
Lilium Tourn.
Washingtonianum Kellogg.
Bolanderi Watson.
parvum Kellogg.
Columbianum Hanson.
pardalinum Kellogg.
var. angustifolia Kellogg.
Fritillaria Linn.
recurva Benth.
biflora Lindl.
lanceolata Pursh.
atropurpurea Nutt.
pudica Spreng.
Erythronium Linn.
grandiflorum Pursh.
giganteum Lindl.
Calochortus Pursh.
elegans Pursh.
var. nanus Wood.
Tolmiei Hook. & Arn.
apiculatus Baker.
lilacinus Kellogg.
longebarbatus Watson.
nitidus Dougl.
macrocarpus Dougl.
Nuttallii T. & G.
Streptopus Michx.
amplexifolius DC.
roseus Michx.
brevipes Baker.
Prosartes D. Don.
Menziesii Don.
trachycarpa Watson.
Hookeri Torrey.
Oregana Watson.
parvifolia Watson.
Clintonia Raf.
Andrewsiana Torrey.
uniflora Kunth.
Scoliopus Torrey.
Hallii Watson.
Trillium Linn.
sessile var. Californicum Watson.
var. angustipetalum Torrey.
petiolatum Pursh.
ovatum Pursh.
rivale Watson.
Veratrum Tourn
viride Ait.
Californicum Durand.
Stenanthium Gray.
occidentale Gray.
Zygadenus Michx.
elegans Pursh.
Fremontii Torrey.
venenosus Watson.
paniculatus Watson.
Tofieldia Hudson.
glutinosa Willd.
occidentalis Watson.
Narthecium Moehr.
Californicum Baker.
Xerophyllum Michx.
tenax Nutt.
Douglasii Watson.

SMILACEÆ.

Smilax Tourn.
Californica Gray.

PONTEDERIACEÆ.

Schollera Schreber.
graminifolia Willd.

ARACEÆ

Lysichiton Schott.
Kamtschatcensis Schott.

TYPHACEÆ.

Sparganium Tourn.
eurycarpum Engelm.
simplex Hudson.
minimum Bauh.
Typha Tourn.
latifolia L.

LEMNACEÆ.

Lemna Linn.
- trisulca L.
- minor L.
- polyrrhiza L.

NAIADACEÆ.

Naias Linn.
- flexilis Rostk. & Schmidt.

Zostera Linn.
- marina L.

Phyllospadix Hooker.
- Scouleri Hook.

Lilæa HBK.
- subulata HBK.

Zannichella Micheli.
- palustris L.

Ruppia Linn.
- maritima L.

Potamogeton Tourn.
- natans L.
- Claytoni Tuckerman.
- rufescens Schrad.
- lonchites Tuckerman.
- amplifolius Tuckerman.
- gramineus L.
- perfoliatus var. lanceolatus Robb.
- zosteræfolius Schum.
- pauciflorus Pursh.
- pusillus L.
- pectinatus L.
- Robbinsii Oaks.

Triglochin Linn.
- maritimum L.

Scheuchzeria Linn.
- palustris L.

ALISMACEÆ.

Alisma Linn.
- Plantago L.

Sagittaria Linn.
- variabilis Engelm.

JUNCACEÆ.

Luzula DC.
- spadicea DC.
  - var. parviflora Meyer.
  - var. melanocarpa Meyer.
  - var. subcongesta Watson.
- comosa Meyer.
  - var. macrantha Watson.
  - var. subsessilis Watson.
  - var. congesta Watson.
- campestris DC.
- spicata Desv.

Juncus Linn.
- Balticus Dethard.
- Lesueurii Bol.
- effusus L.
  - var. brunneus Engelm.
- patens E. Meyer.
- filiformis L.
- arcticus Willd.
- Drummondii E. Meyer.
- Parryi Engelm.
- castaneus Smith.
- tenuis Willd.
  - var. congestus Engelm.
- bufonius L.
- triformis Engelm.
- falcatus E. Meyer.
- longistylis T. & G.
- alpinus var. insignis Fr.
- dubius Engelm.
- Nevadensis Watson.
- nodosus var. megacephalus Torr.
- Mertensianus Meyer.
- xiphioides E. Meyer.
  - var. montanus Engelm.
  - var. triandrus Engelm.
- oxymeris Engelm.

CYPERACEÆ.

Cyperus Linn.
- aristatus Rottb.
- acuminatus Torrey.
- erythrorrhizos Muhl.
- occidentalis Torrey.
- phymatodes Muhl.
- Schweinitzii Torrey.

Dulichium Richard.
- spathaceum Pers.

Scirpus Linn.
- riparius Spreng.
- Nevadensis Watson.
- lacustris var. occidentalis Watson
- Olneyi Gray.
- purgens Vahl.
- maritimus L.
- sylvaticus var. digynus Boeck.
- lineatus Michx.
- atrovirens Muhl.
- criniger Gray.
- subterminalis Torrey.

Eriophorum Linn.
- vaginatum L.
- polystachyum L.

Hemicarpha Nees.
- subsquarrosa Nees.
- occidentalis Gray.

Fimbristylis Vahl.
- capillaris Gray.

Rhynchospora Vahl.
- alba Vahl.

Eleocharis R. Brown.
acicularis R. Br.
palustris R. Br.
obtusa Schult.
rostellata Torrey.
olivacea Torrey.

Carex Linn.
rostrata Withering.
var. utriculata Bailey.
monile Tuck.
Bongardiana C. A. Meyer.
vesicaria L.
var. major.
retrorsa Schw.
Pseudo Cyperus v. comosa W. B.
amplifolia Boott.
Oregonensis Olney.
filiformis var. latifolia Bœck.
trichocarpa var. aristata Bailey.
riparia W. Curtis.
alpina Swartz.
Mertensii Prescott.
atrata L.
Gmalini Hook.
Buxbaumii Wahl.
heteroneura W. Boott.
Raynoldsii Dew.
stylosa var. virens Bailey.
Tolmiei Boott.
nigella Boott.
cæspitosa L. ?.
var. filifolia Boott.
vulgaris Fries.
var. juncella Fries.
var. hyperboræ Boott.
var. alpina Boott.
decidua Boott.
nudata W. Boott.
Hallii Bailey.
invisa Bailey.
laciniata Boott.
Jamesii Torrey.
aquatilis Wahl.
stricta Lamarck.
aperta Boott.
interupta Bœck.
lenticularis Michx.
acuta L.
var. prolixa Hornem.
var. pallida Boott.
cryptocarpa C. A. Meyer.
Sitchensis Prescott.
Barbaræ Dew.
frigida All.
luzulæfolia W. Boott.
limosa L.
cinnamomea Olney.
Hendersoni Bailey.
aurea Nutt.
filifolia Nutt.
Pennsylvanica Lamarck.

Carex.
Novæ-Angliæ Schw.
umbellata Schk.
inops Bailey.
Geyeri Boott.
multicaulis Bailey.
Pyrenaica Wahl.
nigricans C. A. Meyer.
polytrichoides Muhl.
leiocarpa C. A. Meyer.
Breweri Boott.
Hoodii Boott.
macrocephala Willd.
stipata Muhl.
marcida Boott.
var. debilis Bailey.
teretiuscula var. ramosa Boott.
Brongniartii Kunth.
leiorhyncha C. A. Meyer.
Douglasii Boott.
tenella Schk.
vallicola Dew.
nardina Fries.
echinata Murr.
canescens L.
var. alpicola Wahl.
vra. polystachya Boott.
Deweyana Schw.
var. Bolanderi W. Boott.
Liddoni Boott.
pratensis Drejer.
straminea Schk.
var. congesta Boott.
var. mixta Bailey.
var. aperta Boott.
leporina var. Americana Olney.
festiva Dew.
athrostachya Olney.

GRAMINEÆ.

Paspalum Linn.
distichum L.
Beckmannia Host.
erucæformis var. uniflorus Scrib.
Panicum Linn.
capillare L.
crusgalli L.
sanguinale L
dichotomum L.
scoparium Lam.
Setaria Beauv.
viridis Beauv.
Spartina Schreb.
cynosuroides Willd.
gracilis Trin.
Phalaris Linn.
arundinacea L.
amethystina Trin.
intermedia Bose.

Hierochloa Gmelin.
borealis R. & S.
macrophylla Thurb.
Alopecurus Linn.
pratensis L.
geniculatus L.
var.aristulatus Munro.
saccatus Vasey.
Stipa Linn.
occidentalis Thurb.
comata Trin.
stricta Vasey.
viridula Trin.
Oryzopsis Michx.
cuspidata Benth.
exigua Thurb.
Muhlenbergia Schreb.
glomerata Trin.
Phleum Linn.
alpinum L.
pratense L.
Coleanthus Sied.
subtilis Sied.
Sporobolus R. Brown.
cryptandrus Gray.
asperifolius N. & M.
Bolanderi Vasey.
depauperatus Vasey.
var nodosus Vasey.
gracillimus Vasey.
Agrostis Linn.
æquivalvis Trin.
alba L.
vulgaris With.
mucronata Presl.
Scouleri Willd.
Howellii Scrib.
exarata Trin.
var. stolonifera Vasey.
var. littoralis Vasey.
asperifolia Trin.
microphylla Steud.
grandis Trin.
pallens Trin.
geminata Trin.
varians Trin.
Oregana Vasey.
foliosa Vasey.
humilis Vasey.
tenuis Vasey.
scabra Willd.
attenuata Vasey.
Polypogon Desf.
littoralis Smith.
Monspeliensis Desf.
Cinna Linn.
pendula Trin.
Deyeuxia Clarion.
Canadensis Beauv.

Deyeuxia.
Langsdorfii Kunth.
Halleriana Vasey.
Howellii Vasey.
deschampsioides Vasey.
Cusickii Vasey.
rubescens Vasey.
Suksdorfii Scrib.
neglecta Vasey.
Aleutica Vasey.
sylvatica Kunth.
Aira Linn.
caryophylla L.
Deschampsia Beauv.
cæspitosa Beauv.
var. Bottnica Vasey.
calycina Presl.
elongata Munro.
latifolia Vasey.
Holcus Linn.
lanatus L.
Graphephorum Desv.
Wolfii Vasey.
Trisetum Pers.
cernuum Trin.
canescens Buckley.
barbatum Steud.
subspicatum Beauv.
var. molle Gray.
Avena Linn.
fatua L.
Arrhenatherum Beauv.
avenaceum Beauv.
Danthonia DC.
intermedia Vasey.
Californica Bol.
unispicata Munro.
Phragmites Trin.
communis Trin.
Kœleria Pers.
cristata Pers.
Eatonia Raf.
obtusata Gray.
Eragrostis Host.
reptans Nees.
Melica Linn.
imperfecta Trin.
stricta Bol.
bulbosa Geyer.
fugax Bol.
acuminata Bol.
spectabile Scrib.
bromoides Gray.
var. Howellii Scrib.
aristata Thurb.
Harfordii Bol.
Pleuropogon R. Brown.
refractum Benth.

Distichlis Raf.
maritima Raf.
Dactylis Linn.
glomerata L.
Briza Linn.
minor L.
Poa Linn.
annua L.
alpina L.
var. purpurascens Vasey.
abbreviata R. Br.
pratensis L.
serotina Ehrh.
Howellii V. & S.
Bolanderi Vasey.
compressa L.
pulchella Vasey.
occidentalis V. & S.
cæsia Smith.
var. stricta Gray.
stenantha Ehrh.
glumaris Trin.
Douglasii Nees.
Californica Vasey.
Nevadensis Vasey.
var. glauca Vasey.
var. elongata Vasey.
var. glycerioides Vasey.
tenuifolia Nutt.
var. stenophylla Vasey.
var. Oregana Vasey.
gracillima Vasey.
Glyceria R. Brown.
distans Wahl.
Lemmoni Vasey.
nervata Trin.
arundinacea Kunth.
fluitans R. Br.
pauciflora Presl.
Festuca Linn.
Myurus L.
tenella Willd.
microstachys Nutt.
var. ciliata Gray.
var. pauciflora Scrib.
ovina L. ?.
var. polyphylla Vasey.
amethystina L.

Festuca.
rubra L.
var. fallax Hack.
var. littoralis Vasey.
occidentalis Hook.
elatior L.
gracillima Hook.
confinis Vasey.
Howellii Hack.
scabrella Torrey.
Bromus Linn.
secalinus L.
mollis L.
arvensis L.
ciliatus L.
var. pauciflorus Scrib.
breviaristatus Thurb.
Hookerianus Thurb.
var. minor Scrib.
Suksdorfii Vasey.
Orcuttianus Vasey.
Lolium Linn.
perenne L.
temulentum L.
Agropyrum Beauv.
divergens Nees.
var. tenue Vasey.
repens Beauv.
tenerum Vasey.
glaucum R. & S.
Scribneria Hackel.
Bolanderi Hack.
Hordeum Linn.
jubatum L.
maritimum With.
pusillum Nutt.
pratense Huds.
murinum L.
Elymus Linn.
Canadensis L.
Sitanion Schultz.
Sibiricus L.
Macounii Vasey.
dasystachys Trin.
arenarius L.
condensatus Pers.
triticoides Nutt.
Americanus V. & S.

PTERIDOPHYTA.

(Vascular Cryptogams)

EQUISETACEÆ.

Equisetum Linn.
- arvense L.
- Telmateia Ehrh.
- robustum Al. Braun
- hiemale L.
- lævigatum Al. Braun.
- limosum L.

OPHIOGLOSSACEÆ.

Botrychium Swartz.
- simplex Hitch.
- ternatum Swartz.
  - var. dissectum. Milde.
- Virginianum Swartz.

Ophioglossum Linn.
- vulgatum L.

FILICES.

Polypodium Linn.
- vulgare L.
- falcatum Kellogg.
- Scouleri Hook. & Grev.

Gymnogramme Desv.
- triangularis Kaulf.

Cheilanthes Swartz.
- gracillima Eaton.

Pellæa Link.
- Breweri Eaton.
- densa Hook.
- gracilis Hook.

Cryptogramme R. Brown.
- acrostichoides R. Br.

Pteris Linn.
- aquilina var. lanuginosa Bong.

Adiantum Linn.
- emarginatum Hook.
- pedatum L.

Lomaria Willdnow.
- Spicant Desv.
  - var. serratum Woll.

Woodwardia Smith.
- radicans Smith.

Asplenium Linn.
- Trichomanes L.

Asplenium.
- Filix-fœmina Bernh.

Phegopteris Fee.
- Dryopteris Fee.
- alpestris Mett.

Aspidium Swartz.
- rigidum var. argutum Eaton
- spinulosum Swartz.
  - var. dilatatum Hornm.
- Lonchitis Swartz.
- munitum Kaulf.
- aculeatum Swartz.
  - var. scopulinum Eaton.

Cystopteris Bernhardi.
- fragilis Bernh.

Woodsia R. Brown.
- Oregana Eaton.
- scopulina Eaton.

LYCOPODIACEÆ.

Lycopodium Linn.
- annotinum L.
- clavatum L.
- lucidulum Mlchx.

SELAGINELLEÆ.

Selaginella Beauv.
- rupestris Spring.
- Oregana Eaton.
- Douglasii Spring.

ISOETÆ.

Isoetes Linn.
- lacustris L.
- Bolanderi Edgelm.
- nuda Engelm.
- Howellii Engelm.
- Nuttallii Al. Braun.

MARSILIACEÆ.

Marsilia Linn.
- vestita Hook. & Grev.

SALVINIACEÆ.

Azolla Lam.
- Caroliniana Willd.

UNIVERSITY OF CALIFORNIA, LOS ANGELES
THE UNIVERSITY LIBRARY
This book is DUE on the last date stamped below

Form L-9
25m-10,'44(2493)

HOMOU
PHLET BI
nufactured
ORD BRO
racuse, N.
ckton, Ca

QK Howell -
144 A catalogue of
H83c the known plants

UC SOUTHERN REGIONAL LIBRARY FACIL
AA 000 704 867 1

QK
144
H83c